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- B. Determinants ; linear substitutions ; elimination ; algebraical theory of forms ; invariants and covariants ; quaternions ; functional determinants ; differential forms ; equipollences and complex quantities ; universal algebra.
- C. Principles of the differential and integral calculus ; analytical applications ; quadratures ; multiple integrals ; functional determinants ; differential forms ; differential operators.

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- D. General theory of functions and its application to algebraical and circular functions ; infinite series and expansions, especially infinite products and continued fractions considered from the algebraical point of view ; Bernoulli's numbers ; spherical and analogous functions.
- E. Definite integrals, and Eulerian integrals in particular.
- F. Elliptic functions with their applications.
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- H. Differential equations, and equations with partial differences ; functional equations ; equations with finite differences ; recurrent series.
- I. Arithmetic and theory of numbers ; indeterminate analysis ; arithmetical theory of forms and of continued fractions ; the division of the circle ; complex, ideal, and transcendental numbers.
- J. Combinatory analysis ; probabilities ; calculus of variations ; general theory of groups of transformations (omitting Galois groups (**A**), groups of linear substitutions (**B**), and groups of geometrical transformations (**P**)) ; Cantor's theory of aggregates.
- K. Geometry and Trigonometry ; projective and descriptive geometry ; perspective.
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- Q. Geometries ; generalities on geometry of n dimensions ; non-Euclidean geometry ; analysis situs ; the geometry of situation.

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